

ELMO

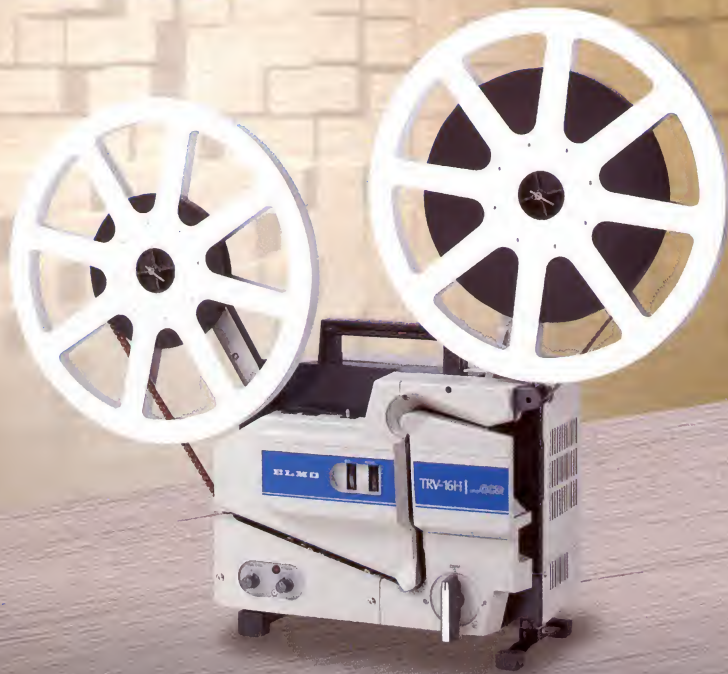
Film-to-Video Converters

TRV-35H , TRV-16H



as a technological innovator since 1921

BOTH MODELS ARE EQUIPPED WITH A 410,000 PIXEL COLOR CCD VIDEO CAMERA, PRODUCING OVER 450 HORIZONTAL TV LINES OF HIGH RESOLUTION VIDEO IMAGES.



TRV-16H

TRV-16H, The ultimate 16mm to video converter

Features include:

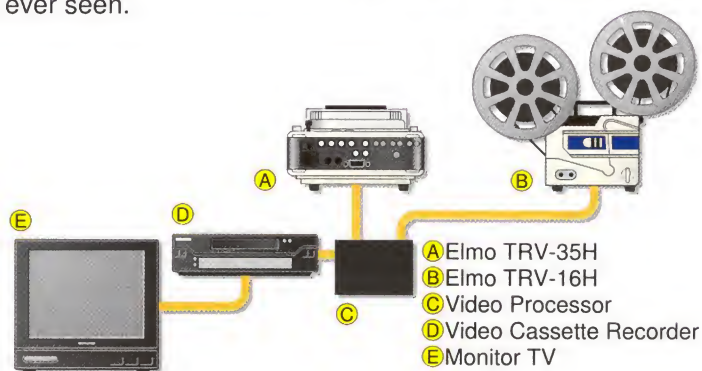
*The highest resolution 16mm motion picture film to video converter in the market.

*Composite and S-video(Y.C.) video outputs allow you to display 16mm motion picture film images onto video monitors or record onto video tapes. The external sync allows you to mix the video output of the TRV-16H with any other video source.

*Semi-automatic film threading and patented film transport mechanisms will help to protect the film from being damaged.

*Manual focus, iris, framing, and color correction controls are standard.

*With an optional video mixer VMX-4, you can mix the video from a TRV-35H, or any other video source to create the most spectacular video presentation you have ever seen.



ELMO, THE WORLD LEADER IN PRESENTATION EQUIPMENTS, PROUDLY PRESENTS YOU WITH TWO SUPERIOR FILM-TO-VIDEO CONVERTERS, TRV-35H FOR 35MM SLIDE FILM, AND TRV-16H FOR 16MM MOTION PICTURE FILM TO VIDEO IMAGES.



TRV-35H

TRV-35H, The perfect tool for your video slide shows

Features include:

*Three video outputs; composite, S-video(Y.C.) and RGB which enable you to view the slides on a TV monitor, video projector, projection TV or record onto video tapes.

*The slide advance/reverse function, iris control, zooming control and focusing can be controlled by the touch of button.

All of the above functions are also possible with optional wired (RC-351) or wireless IR (RCW-352) remote controllers.

The TRV-35H also has an RS-232C port to control all of the functions through a personal computer.

*Fully automatic or manual white balancing.

In the manual white balance mode, the built-in "Joy Stick" type color controller allows you to create and manipulate to your desired color.

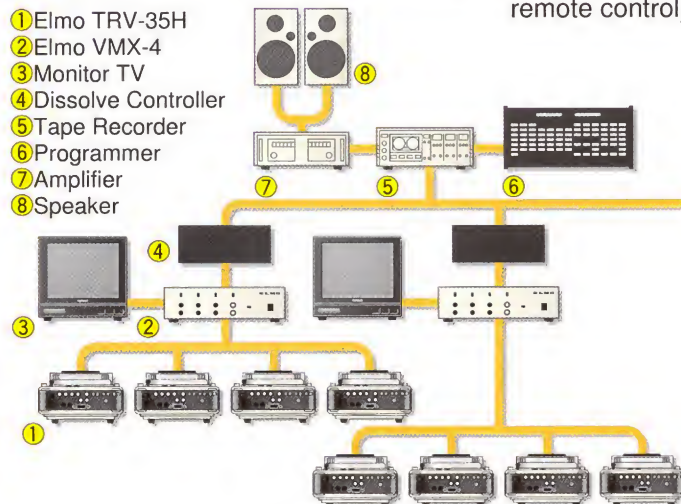
*The optional video mixer, VMX-4 allows you to mix up to four units of video images from the TRV-35H for a creative slide shows. Also, by adding a dissolve controller, a dissolve slide show is possible.



Video Mixer, VMX-4



(with optional tray and wireless remote control)



Specifications Table

TRV-35H

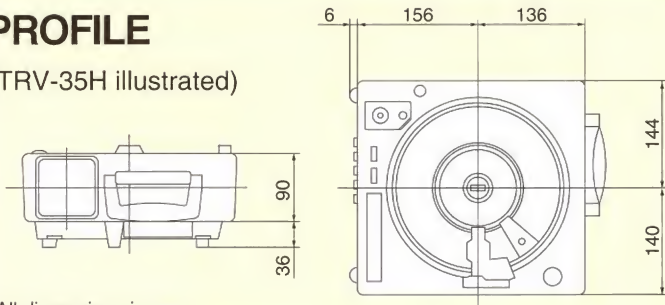
GENERAL	Power Source	AC120V, 60Hz
	Power Consumption	80W
	Outside Dimensions	284mm(W)×292mm(D)×126mm(H) (11.2×11.5×5.0in.)
	Weight	Approx. 6.7kgs (14.8 lds)
FILM TRANSPORTATION	Film	35mm Slide film (2×2in. mount slide)
	Film Capacity	80 slides
	Film Loading	Standard circular tray
	Slide Transport	Forward and reverse
	Variable Internal Timer	Built-in (1.5~30sec.)
	Dissolving	Possible (with VMX-4 mixer+dissolver/multi controller)
	Multi-Image Presentation	Possible
OPTICS	Lens	6.5~16.25mm, F1.8 zoom lens
	Iris Adjustment	Powered
	Zoom	Powered
	Zoom Range	×0.135~×0.338 (1:2.5)
	Focus	Powered
	Light Source	24V-6W lamp
VIDEO	Television System	NTSC compatible
	Image Pick-up Element	1/2" Interline-transfer color CCD
	Picture Element	811(H)×508(V) (approx. 410,000 pixels)
	Sync. System	Internal/External sync. (automatic changeover)
	Resolution	More than 450TV lines (Y signal with horizontal) More than 350TV lines (vertical)
	S/N Ratio	More than 50dB
	Color Corrector	Joy-stick type control
	Detail Compensation	Possible
	Output Signal	C-VIDEO VBS 1.0 V(p-p)/75Ω unbalanced S-VIDEO Y 0.714 V(p-p)/75Ω unbalanced C 0.286 V(p-p)/75Ω unbalanced
	Ext. Sync. Input Condition	C-VIDEO VBS 1.0 V(p-p)/75Ω unbalanced Sync: 0.286V±0.1V, Burst: 0.286V±0.1V
	Ext. Sync. Frequency Range	(against NTSC standard) H ±20ppm SC±50ppm
	H-phase Adjustment	Manual (0μs ~ 10μs)
	SC-phase Adjustment	Manual (0° ~ 360°)
	Input Terminal	Ext. sync. input (BNC connector/75Ω unbalanced)
	Output Terminal	C-VIDEO output (BNC connector/75Ω unbalanced) S-VIDEO output (mini-DIN 4P connector/75Ω unbalanced) RGB output (BNC connector/75Ω unbalanced) Sync. output (BNC connector/75Ω unbalanced)
	Ext. Control Terminal	RS-232C (Dsub-9P) Remote A terminal (DIN-8P) Remote B terminal (DIN-8P)
	Remote Control	Wired/Wireless (optional)

TRV-16H

GENERAL	Power Source	AC120V, 60Hz
	Power Consumption	150W
	Outside Dimensions	350mm(W)×220mm(D)×290mm(H) (13.8×8.7×11.4in.)
	Weight	13kgs (28.7 lds)
FILM TRANSPORTATION	Film	16mm Optical/Magnetic sound films
	Projection Speed	24fps
	Film Capacity	600m (2000ft)
	Film Loading	Elmo CHANNEL LOADING system
	Film Control	One-knob control
	Motor	Synchronous motor
	Shutter	5-blade shutter
OPTICS	Quick Review	Possible
	Loop Restorer	Automatic
	Lens	F1.8, f=25mm
	Iris Adjustment	Manually adjustable
	Focus	Manually adjustable
	Light Source	12V, 8W lamp
VIDEO	Television System	NTSC compatible
	Image Pick-up Element	1/2" Interline-transfer color CCD
	Picture Element	811(H)×508(V) (approx. 410,000 pixels)
	Sync. System	Internal/External sync. (automatic changeover)
	Resolution	More than 450TV lines (Y signal with horizontal) More than 350TV lines (vertical)
	S/N Ratio	More than 50dB
	Output Signal	C-VIDEO VBS 1.0 V(p-p)/75Ω unbalanced S-VIDEO Y 0.714 V(p-p)/75Ω unbalanced C 0.286 V(p-p)/75Ω unbalanced
	Ext. Sync. Input Condition	C-VIDEO VBS 1.0 V(p-p)/75Ω unbalanced Sync: 0.286V±0.1V, Burst: 0.286V±0.1V
	Ext. Sync. Frequency Range	(against NTSC standard) H ±20ppm SC±50ppm
	H-phase Adjustment	Manual (0μs ~ 10μs)
	SC-phase Adjustment	Manual (0° ~ 360°)
	White Balance	Manually adjustable
	Input Terminal	Ext. sync. input (BNC connector/75Ω unbalanced)
	Output Terminal	C-VIDEO output (BNC connector/75Ω unbalanced) S-VIDEO output (mini-DIN 4P connector/75Ω unbalanced)
SOUND	Playback System	Optical/Magnetic sound playback
	Audio Output	400mV/600Ω (RCA pin)
	Frequency Response	Optical 50Hz to 7kHz Magnetic 50Hz to 12kHz
	Audio Monitoring	3.5mm receptacle provided

PROFILE

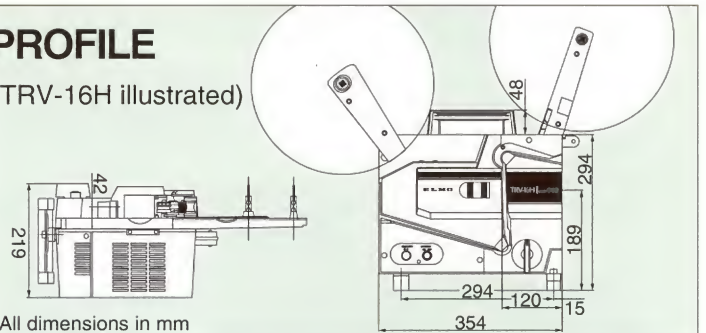
(TRV-35H illustrated)



All dimensions in mm

PROFILE

(TRV-16H illustrated)



All dimensions in mm

* Design and specifications are subject to change without prior notice. * Dimensions and weight are approximate.

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